

# Abstracts

## Attenuation and Power-Handling Capability of Helical Radio-Frequency Lines

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*J.H. Bryant and E.J. White. "Attenuation and Power-Handling Capability of Helical Radio-Frequency Lines." 1953 Transactions on Microwave Theory and Techniques 1.2 (Nov. 1953 [T-MTT]): 33-38.*

A method is described for computing cold insertion loss as well as power-handling capabilities of a helical radio-frequency line. The helically-conducting-cylinder model in free space is considered first. Computations are then extended to account for the presence of an outer, coaxial, uniformly conducting cylinder.

 [Return to main document.](#)